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(54) PRODUCTION OF POROUS ALUMINA PHOSPHIA

(57)Abstract:

PURPOSE: To obtain an alumina phosphia carrier having sharp pore-size distribution and improved mechanical strength, by producing aluminum hydroxide, adding a phosphorus compound thereto and forming a complex under a specific condition.

CONSTITUTION: Aluminum hydroxide gel is produced e.g. by neutralizing an aqueous solution containing an aluminum compound. A phosphorus compound is added to the gel at an atomic ratio (Al/P) of 0.3W30, and the mixture is aged at 50W100°C and ≤7pH for 5minW24hr. The obtained alumina phosphia gel is washed, filtered, formed and calcined.

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